



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829  
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

**PAT QUINN, GOVERNOR**

**DOUGLAS P. SCOTT, DIRECTOR**

July 12, 2011

Mr. Matt Jarden  
Jarden Farms  
799 Route 159  
Bunker Hill, Illinois 62014

Re: Jarden Farms  
Bunker Hill Township / Macoupin County  
Facility ID (117DI)

Dear Mr. Jarden:

On May 19, 2011, David Ginder representing this Agency conducted an inspection of your livestock facility at which time you were contacted. No violations of the Illinois Environmental Protection Act and associated regulations were noted at the time of the inspection. Future field inspections may be conducted to monitor the compliance of your facility.

A copy of the inspection report is enclosed for your information.

If you desire a copy of the State regulations administered by the IEPA that are applicable to your facility, you may download a copy of 35 Illinois Administrative Code, Subtitle E: Agriculture Related Water Pollution from:

<http://www.ipcb.state.il.us/SLR/PCBandIEPAEnvironmentalRegulations-Title35.asp>

If you desire a copy of the Federal Consolidated CAFO Regulations that are applicable to your facility, you may download a copy from:

[http://www.epa.gov/npdes/regulations/cafo\\_final\\_rule2008\\_comp.pdf](http://www.epa.gov/npdes/regulations/cafo_final_rule2008_comp.pdf)

Should you have any questions or prefer that a copy of Subtitle E and/or the Federal Consolidated CAFO Regulations be mailed to you, please feel free to contact Mr. Ginder at: Illinois EPA, Springfield Field Office Staff, MC #10, 1021 North Grand Avenue East, P. O. Box 19276, Springfield, Illinois 62794-9276 or telephone: (217) 557-8761.

Finally, we wish to thank you for the cooperation and courtesy shown our representative on the day of the inspection.

Sincerely,

Bruce L. Yardin  
Manager/Field Operations Section  
Division of Water Pollution Control

BJV:DPG/ds(N:\REG\Springfield\SPF\_BOW\SPF\_BOW\_SHARE\DWPC\Ginder\Facilities\Jarden Farms\Jarden Farms cover.doc)

Enclosure

cc: DWPC/FOS/RU (without enclosure)  
DWPC/FOS/Springfield Region (without enclosure)



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
Livestock Facility Inspection Checklist

GENERAL INFORMATION

TYPE OF INSPECTION:

☒ CAFO ☐ COMPLAINT ☐ RECONNAISSANCE ☐ ERU FOLLOW UP ☐ OPERATOR REQUEST ☐ OTHER

FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.)  
Jarden Farms - Partnership

INSPECTION DATE  
5-19-11

ARRIVAL TIME  
9:21 a.m.

ADDRESS  
799 Route 159

INSPECTOR(S)  
David Ginder

DEPARTURE TIME  
12:24 p.m.

CITY  
Bunker Hill

STATE  
Illinois

ZIP CODE  
62014

ACCOMPANIED BY (if applicable)  
NA

LEGAL DESCRIPTION

COUNTY	SECTION	TOWNSHIP	RANGE	TEMPERATURE	PRECIPITATION TYPE
Macoupin	NW35	7N	8W	61°F - 65°F	Light rain

Facility Owner(s):  
See attached - Exemption 6 and Exemption 7(C)

NAME CONTACTED ☐ YES ☒ NO

PHONE Exemption 6 and Exemption 7(C)

MOBILE

ADDRESS CITY STATE ZIP CODE

NAME CONTACTED ☐ YES ☐ NO

PHONE

MOBILE

ADDRESS CITY STATE ZIP CODE

Facility Operator(s):  
Exemption 6 and Exemption 7(C)

NAME CONTACTED ☐ YES ☐ NO

PHONE

MOBILE

ADDRESS CITY STATE ZIP CODE

NAME CONTACTED ☐ YES ☐ NO

PHONE

MOBILE

ADDRESS CITY STATE ZIP CODE

NPDES PERMIT INFORMATION (If no NPDES permit, skip this section)

1. What type of NPDES permit has been issued?  
☐ Individual NPDES Permit ☐ General NPDES Permit

NPDES #

2. What date was the NPDES permit issued?

3. What date does the NPDES permit expire?

4. Is a copy of the NPDES permit onsite? ☐ YES ☐ NO

5. Permitted number of animal units? ☐ YES ☐ NO

6. Does the NPDES Permit contain a compliance schedule? ☐ YES ☐ NO

7. Have there been any changes made to the production area since the permit was issued? ☐ YES ☐ NO

If "YES", provide a detailed description of those changes.

None

**LAND APPLICATION/NUTRIENT MANAGEMENT**

1. How many TOTAL acres are available for land application? <b>800-1,000</b> acres	<input type="checkbox"/> YES	<input type="checkbox"/> NO
2. How many acres are READILY available for land application at the time of inspection? <b>300</b> acres	<input type="checkbox"/> YES	<input type="checkbox"/> NO
3. Estimated annual quantities of liquid waste <b>6.2 MG</b> gallons	<input type="checkbox"/> YES	<input type="checkbox"/> NO
4. Estimated annual quantities of solid waste <b>2,050</b> tons	<input type="checkbox"/> YES	<input type="checkbox"/> NO
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: <b>Matt Bradshaw</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
6. What type of land application equipment is available to the facility?  <input type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input checked="" type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input checked="" type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input checked="" type="checkbox"/> Other <b>Trav. gun/dragline</b>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
7. Does the facility calibrate the land application equipment? If "YES", What method is used? <b>Commercial app. - radar/flowmeter</b> <b>Facility - known loads/acre</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain <b>Discussed LMFA setback requirements and injection/incorporation</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

**LIVESTOCK FACILITY DESCRIPTION****Facility Type**

- ☒ Total Confinement Buildings
- ☒ Open Confinement Buildings
- ☒ Open Concrete Feedlot

- ☐ Open Earthen Feedlot
- ☐ Vegetated Pasture
- ☐ Other \_\_\_\_\_

Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement
DAIRY MILKING	600	600	Total
DAIRY MILKING	100	100	Open confinement/lots
CALVES	200	200	Total confinement

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)?

☐ N/A ☒ YES ☐ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan?

☐ N/A ☒ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review?

☒ N/A ☐ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below.

☒ YES ☐ NO

Have 4-5 other sites with common ownership - confine heifers, dry cows and steers - all have their own separate land application areas - 50-80 heifers on average - pasture based - somewhat segregated land application equipment - may share land application equipment at some of the sites - one site for sure contiguous property.

\*\* None of these sites were observed - should be evaluated in future CAFO inspections.

**LIVESTOCK WASTE STORAGE**

1. Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO  
If NO, then proceed to question 10.

2. General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).

Manure transferred to deep pit, settling basin and then to holding pond.

Deads are buried.

Feed - Hay stoage under roof. Silage in outdoor bunkers - in the process of installing a collection basin and holding pond for the collection and storage of leachate/surface runoff from the silage bunkers - to be completed prior to harvesting silage this fall.

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input checked="" type="checkbox"/> Holding Pond	> 7 MG
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input checked="" type="checkbox"/> Below Ground Storage Tank	> 2.26 MG - 208' x 208' x 7' avg. depth
<input checked="" type="checkbox"/> Settling Basin	
<input checked="" type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input type="checkbox"/> Underfloor Pits	
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☒ YES ☐ NO
4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☒ NO
5. Do the storage structures have adequate freeboard? ☒ YES ☐ NO
6. Estimated final stage storage structure freeboard > 72 in.
7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO
8. Are the routine visual inspections documented? ☐ YES ☒ NO
9. Does the system have an outfall or discharge point? ☐ YES ☒ NO
- If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).
- None**

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:

**In the process of installing a collection system (berm/basin and holding pond) for leachate and surface runoff from the silage bunkers. The existing concrete aprons between the bunkers will also be replaced.**

#### MORTALITIES MANAGEMENT

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)  
**Buried**

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

**FACILITY WATER SOURCES**

1. What type of method is used to provide drinking water for the animals?  
☐ Overflow waters ☐ Tip Tanks ☐ Nipple waters ☐ Water Bowls ☒ Other tanks
2. How is the water for animals obtained?  
☒ Community PWS ☐ On-Site Well ☐ On-Site Impoundment ☐ Other \_\_\_\_\_
3. Is a mist cooling system used? ☒ YES ☐ NO  
How is mist water contained?  
**Enters waste handling system**

**DAIRY OPERATION (If No Dairy, skip this section)**

1. How many times per day are cows milked? 3
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).  
**Plate cooler water is stored in a tank and used for animal drinking water.**
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.  
**Scraped and hosed down - contained in waste handling system. - 2 x 28 milking stalls.**
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.  
**All to the waste handling system**
5. Describe where process wastewater from the plate cooler goes and how it is contained.  
**Into a storage tank.**

**BEDDING (If No Bedding, skip this section)**

1. Describe what type of bedding is used for the animals.  
**Sand**
2. Describe how bedding is collected and how often.  
**Sand enters the "sand lane" and is removed weekly, windrowed to dry and re-used. Sand area is contained.**
3. What is done with the used bedding? ☒ Reused ☐ Land Applied

**MANURE COLLECTION**

## 1. How is manure collected?

- ☐ Under Floor Pit  
☒ Scraped: ☐ Automatic ☒ Manual  
☒ Flush  
☐ Solids Separator  
☐ Other: \_\_\_\_\_  
☐ None

## 2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

**Flushing water comes from and re-enters the holding pond.**

**FEED STORAGE CONTAINMENT**

## 1. Describe how feed (silage, hay, etc) is contained.

- ☐ Bulk Bins  
☒ Silage Pit  
☐ Ag Bags  
☒ Hay: ☒ Barn ☐ Outdoor  
☒ Other: **Silage in bays in buildings. Mineral in barn. Grain bins.**

## 2. Describe how feed (silage, hay, etc) runoff is contained.

- ☒ Not Applicable – Feed totally enclosed  
☒ Other: **Installing a collection and storage system prior to silage harvest this fall.**  
☐ None

**RECEIVING SURFACE WATERS**

## 1. Provide a description of the flow path from the facility to the nearest named surface water.

**West of Route 159 (animal confinement areas) - through crop ground to an unnamed tributary of Indian Creek.**

**East of Route 159 (feed storage area) - runoff enters the facility's water reservoir which discharges into an unnamed tributary of Paddock Creek.**

## 2. What is the name of the receiving stream?

**See 1. above. For 3. below - both unnamed tribs. are intermittent and Indian and Paddock Creeks are perennial.**

3. Status of the named surface water: ☒ Intermittent ☒ Perennial4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NO  
If "YES", provide a description of the deposits: **Not at reservoir.**

**DISCHARGES**

1. Have there been any documented discharges of livestock waste to surface water *in the past year*? If "NO" proceed to question 2. ☐ YES ☒ NO

a. If "YES", specify the date(s).

b. What was the reason for the discharge?

c. Was the discharge the result of a 25 year-24 hour rainfall event? ☐ YES ☐ NO

d. What was the precipitation amount? (if applicable)

e. Was IBMA notified of the discharge? ☐ YES ☐ NO

f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)? ☐ YES ☐ NO

If "YES", describe actions taken:

None

2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section. ☐ YES ☒ NO

b. Was the discharge the result of a 25 year-24 hour rainfall event? ☐ YES ☐ NO

c. What was the precipitation amount? (if applicable)

d. What is the reason for the discharge?

**OTHER COMMENTS/NOTES**

New protective footwear worn. Bunker Hill TWP. JQA-01(Indian Creek)/117/DI/7

CNMP prepared by Terry Feldmann. Typically avoid winter spreading.

Need to contain leachate/surface runoff from the silage bunker area - in the process of installing a collection and storage system for this area - to be completed prior to silage harvest this fall.

4-5 other sites with common ownership (have their own separate land application areas but may share land application equipment) that may be considered part of the main dairy under the CAFO permitting rules - these sites were not observed during the conducted site visit - should be observed during any future site visits.

Well run facility. No discharges observed during the site visit. CAFO Permit coverage is not necessary at this time.

Att. 1 - Plat map location Att. 2 - Aerial photograph of site layout Att. 3 - Facility ownership info.

Will an inspection report be attached? ☐ YES ☒ NO

INSPECTOR'S SIGNATURE

David Binder

REPORT DATE

7/8/11



Bunker Hill

T.7N. - R.8W.

# Exemption 6 and Exemption 7(C)

See Page 6

Macoupin, IL

## Thank You



The staff at CCI would like to thank the sponsor and the advertisers featured in this publication, as well as everyone else who gave their time and energy to assist in this project.

## SOUTH COUNTY NEWS

(Serving 15 of 16 townships in South Macoupin County)

Macoupin County's Award-Winning Weekly Newspaper  
302 S. Macoupin St. P.O. Box 209 Gillespie, IL 62033

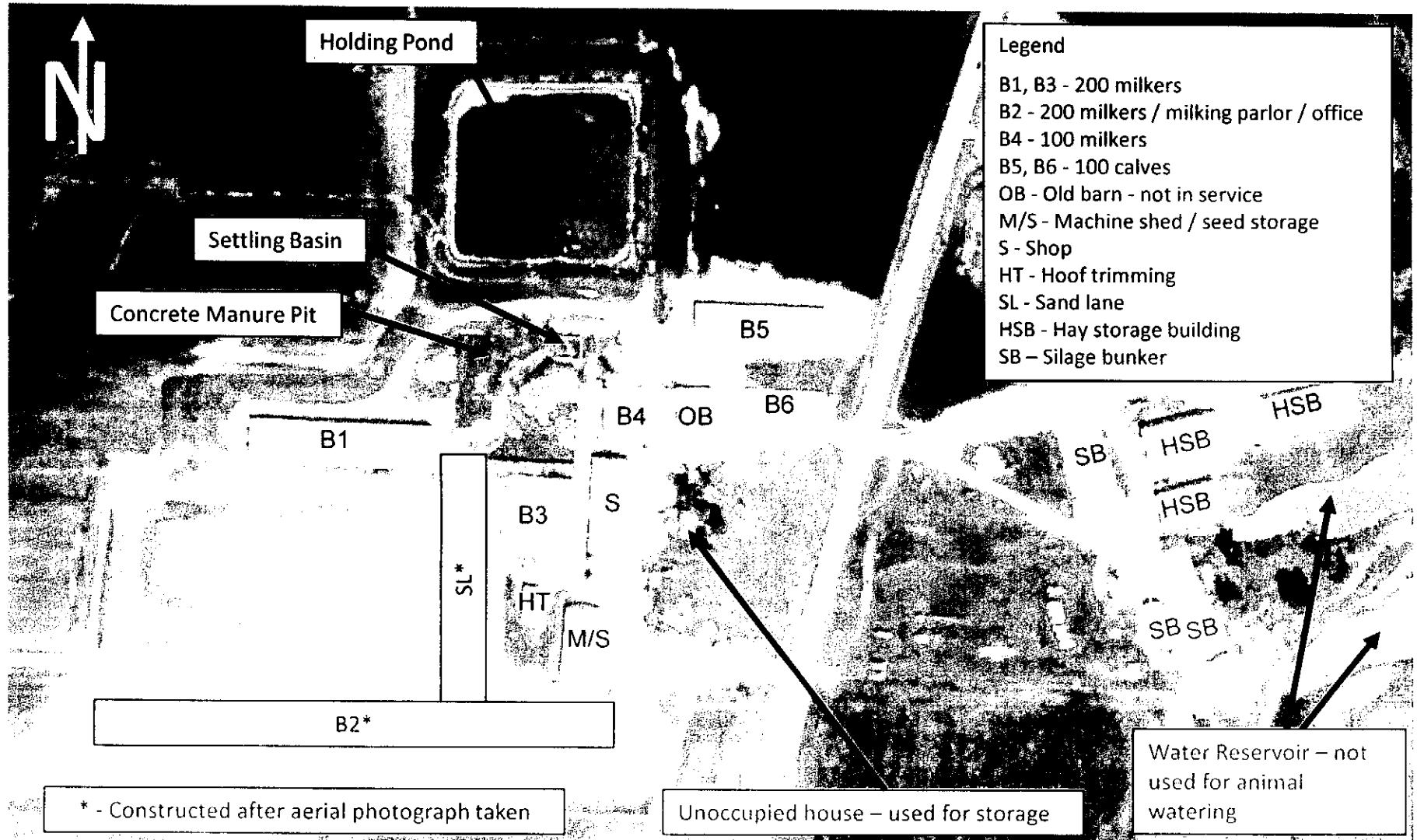
Call (217) 839-2130 to subscribe  
or for advertising information

e-mail: [southcountynews@speednet.com](mailto:southcountynews@speednet.com)

Find out what everyone is talking about

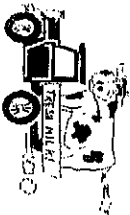
## Attachment 2

### Jarden Farms (117DI) - Site Layout - 5/19/11 CAFO Inspection



Google Earth – 2011

Photo Date: 06/27/09



Attachment 3  
5/19/11 CAFD Inspection

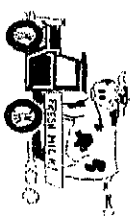
## JARDEN FARMS

799 RT 159

BUNKER HILL, IL 62704

Exemption 6 and Exemption 7(C)

Exemption 6 and Exemption 7(C)



May 20, 2011

David P. Ginder  
1021 N Grand Ave East  
Springfield, IL 62794

Dear Mr. Ginder,

These are the manure totals that you requested, 2050 tons and 6.2 million gallons.

This is a list of owner's addresses that you requested.

Maurice F. Jarden  
Exemption 6 and Exemption 7(C)

Charles A Jarden  
Exemption 6 and Exemption 7(C)

Joseph A Jarden  
Exemption 6 and Exemption 7(C)

James W Jarden  
Exemption 6 and Exemption 7(C)

Steven A Jarden  
Exemption 6 and Exemption 7(C)

David W Jarden  
Exemption 6 and Exemption 7(C)

Thank you,

Matt Jarden  
Jarden Farms

**RECEIVED**

SPRINGFIELD REGION

MAY 24 2011

Environmental Protection Agency  
STATE OF ILLINOIS